

ABSTRACT OF THE DISCLOSURE

5                   Recombinant protein complexes having human Factor  
VIII:C activity are expressed in a eukaryotic host cell by  
transforming the host cell with first and second expression  
cassettes encoding a first polypeptide substantially homologous to human Factor VIII:C A domain and a second polypeptide substantially homologous to human Factor VIII:C C domain, respectively. In the present invention, the first polypeptide may be extended having at its C-terminal a human Factor VIII:C B domain N-terminal peptide, a polypeptide spacer of 3-40 amino acids, and a human Factor VIII:C B domain C-terminal peptide.  
10                  Expression of the second polypeptide is improved by employing an  $\alpha_1$ -antitrypsin signal sequence.  
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